

CLAIMS

What is claimed is:

1. A light emitting apparatus comprising:
a body having walls defining a source focal point within said body and target focal points adjacent opposite ends of said body; and
a light source disposed within said body at said source focal point;
wherein the walls of said body cause total internal reflection of light emitted from said source focal point to said target focal points.

2. The light emitting apparatus of claim 1, wherein said light source includes a filament.

3. The light emitting apparatus of claim 1, wherein said light source extends between two electrodes.

4. The light emitting apparatus of claim 1, wherein said body further comprises glass.

5. The light emitting apparatus of claim 1, wherein said body is further defined by a central cavity at said source focal point.

6. A light bulb for reflecting internally generated light, said light bulb comprising:
a body having walls defining a source focal point within said body and target focal points adjacent opposite ends of said body, said walls defined by a first and second overlapping semi-ellipsoids, said opposite ends defined by conical end portions extending from said semi-ellipsoids; and
a light source disposed within said body at said source focal point, said walls of said body causing total internal reflection of light emitted from said light source to said target focal points.

7. The light bulb of claim 6, wherein said light source includes a filament.

8. The light bulb of claim 7, wherein said light source extends between two electrodes.

9. The light bulb of claim 8, wherein said body further comprises glass.

10. The light bulb of claim 6, wherein said body is further defined by a central cavity at said source focal point.

Send 937

11. A light bulb comprising:

a body having walls defined by a first and second overlapping semi-ellipsoids, said first and second semi-ellipsoids each having distal ends opposite a first focal point and a target focal point proximate each said distal end, said first and second semi-ellipsoids overlapping with said first focal points coinciding to define a source focal point and said distal ends diametrically opposed; and

a light source supported by said body at said source focal point, said walls causing total internal reflection of light emitted by said source to focus at said target focal points.

12. The light bulb of claim 11, wherein said first and second ends are defined by a semi-minor axis of said first and second semi-ellipsoids.

13. The light bulb of claim 11, wherein said light source includes a filament.

14. The light bulb of claim 11, wherein said light source extends between two electrodes.

15. The light bulb of claim 14, wherein said body further comprises glass.

7784-000263